

# INTERNATIONAL SEARCH REPORT

P082004/000063

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06T5/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06T G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, BIOSIS, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WILLIAMS J P ET AL: "Rational discrete generalized cylinders and their application to shape recovery in medical images"</p> <p>COMPUTER VISION AND PATTERN RECOGNITION, 1997. PROCEEDINGS., 1997 IEEE COMPUTER SOCIETY CONFERENCE ON SAN JUAN, PUERTO RICO 17-19 JUNE 1997, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 17 June 1997 (1997-06-17), pages 387-392, XP010237553</p> <p>ISBN: 0-8186-7822-4</p> <p>sections 3.1, 4., 5.1-6.</p> <p>abstract; figures 3,4</p> <p style="text-align: center;">--- -/-</p>	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

17 May 2004

Date of mailing of the international search report

08/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Borotschnig, H

## INTERNATIONAL SEARCH REPORT

PC 82004/000063

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GREENSPAN H ET AL: "EVALUATION OF CENTER-LINE EXTRACTION ALGORITHMS IN QUANTITATIVE CORONARY ANGIOGRAPHY" IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE INC. NEW YORK, US, vol. 20, no. 9, September 2001 (2001-09), pages 928-941, XP001100470 ISSN: 0278-0062 abstract, section II.A</p>	1-12
A	<p>FLÓREZ-VALENCIA L., MONTAGNAT J., ORKISZ M.: "3D Graphical Models for Vascular-Stent Pose Simulation" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMPUTER VISION AND GRAPHICS, ICCVG, 25 - 29 September 2002, pages 1-8, XP002280611 Zakopane abstract; figures 2,4</p>	1-14
A	<p>AYLWARD S R ET AL: "INITIALIZATION, NOISE, SINGULARITIES, AND SCALE IN HEIGHT RIDGE TRAVERSAL FOR TUBULAR OBJECT CENTERLINE EXTRACTION" IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE INC. NEW YORK, US, vol. 21, no. 2, February 2002 (2002-02), pages 61-75, XP001101421 ISSN: 0278-0062 abstract; figures 2,3 page 67, left-hand column, paragraphs 1-3</p>	1-12
A	<p>US 6 366 800 B1 (AHN DAVID K ET AL) 2 April 2002 (2002-04-02) abstract, Figs. 10a-10h, col. 14 line 60-col. 15 line 42</p>	1-12
A	<p>US 5 891 030 A (HARA AMY KIYO ET AL) 6 April 1999 (1999-04-06) abstract, Figs. 7(a)-7(c), col. 9 line 61-col. 10 line 26</p>	1-12

## INTERNATIONAL SEARCH REPORT

P B2004/000063

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6366800	B1	02-04-2002	US 5920319 A	06-07-1999
			US 5782762 A	21-07-1998
			AU 1526300 A	19-06-2000
			EP 1133257 A1	19-09-2001
			WO 0032106 A1	08-06-2000
			US 2002193687 A1	19-12-2002
			AU 742919 B2	17-01-2002
			AU 6180498 A	09-09-1998
			CA 2278672 A1	27-08-1998
			EP 0961993 A1	08-12-1999
			JP 2001513923 T	04-09-2001
			WO 9837517 A1	27-08-1998
			AU 706280 B2	10-06-1999
			AU 4138096 A	23-05-1996
			CA 2202401 A1	09-05-1996
			EP 0794728 A1	17-09-1997
			JP 10507954 T	04-08-1998
			WO 9613207 A1	09-05-1996
			US 6272366 B1	07-08-2001
			US 6083162 A	04-07-2000
			US 2001044576 A1	22-11-2001
US 5891030	A	06-04-1999	AU 6317498 A	18-08-1998
			EP 0964639 A1	22-12-1999
			JP 2001511031 T	07-08-2001
			WO 9832371 A1	30-07-1998